REPORT- LV-B SUMMARY OF SPACES OCCURRING IN THE PROJECT WEATHER FILE- NEW YORK CITY TMY2

NUMBER OF SPACES 168 EXTERIOR 133 INTERIOR 35

SPACE	SPACE*FLOOR MULTIPLIER	SPACE TYPE	AZIMUTH	LIGHTING (WATT / SQFT)	PEOPLE	EQUIP (WATT / SQFT)	INFILTRATION METHOD	AIR CHANGES PER HOUR	AREA (SQFT)	VOLUME (CUFT)
SHAFT	1.0	EXT	0.0	0.00	0.0	0.00	NO-INFILT.	0.00	624.03	350765.31
C-BOH	1.0	INT	0.0	0.44	3.6	0.20	AIR-CHANGE	0.15	1089.01	14157.13
C-STORAGE	1.0	INT	0.0	0.40	16.8	0.20	AIR-CHANGE	0.15	5037.51	65487.62
C-LOCKER	1.0	INT	0.0	0.49	2.0	0.50	AIR-CHANGE	0.15	587.42	7636.46
C-TELE	1.0	INT	0.0	0.52	0.2	0.20	AIR-CHANGE	0.15	230.48	2996.24
C-MECH	1.0	INT	0.0	0.58	4.6	0.20	AIR-CHANGE	0.15	4616.78	60018.14
C-OFC	1.0	INT	0.0	0.42	6.8	1.50	AIR-CHANGE	0.15	1021.10	13274.30
C-STAIR	1.0	INT	0.0	0.76	1.6	0.00	AIR-CHANGE	0.15	476.24	6191.12
C-ELEC	1.0	INT	0.0	0.52	2.3	0.20	AIR-CHANGE	0.15	2331.71	30312.23
C-CORR	1.0	INT	0.0	0.63	7.6	0.20	AIR-CHANGE	0.15	2272.65	29544.45
C-ELEV-LOBBY	1.0	INT	0.0	0.59	4.1	0.20	AIR-CHANGE	0.15	204.78	2662.14
C-TANK	1.0	INT	0.0	0.58	2.1	0.20	AIR-CHANGE	0.15	2092.35	27200.55
1-MOVE-IN	1.0	EXT	0.0	0.40	2.3	0.20	AIR-CHANGE	0.15	689.39	13098.41
1-BOH	1.0	EXT	0.0	0.44	13.9	0.20	AIR-CHANGE	0.15	4161.64	79071.16
1-RETAIL	1.0	EXT	0.0	1.50	56.2	0.50	AIR-CHANGE	0.15	2807.86	53349.34
1-LOBBY	1.0	EXT	0.0	0.59	35.7	0.20	AIR-CHANGE	0.15	1786.40	33941.60
1-PACKAGE	1.0	EXT	0.0	0.40	2.1	0.20	AIR-CHANGE	0.15	630.19	11973.61
1-CORR	1.0	EXT	0.0	0.63	4.0	0.20	AIR-CHANGE	0.15	1213.86	23063.34
1-VEST	1.0	EXT	0.0	0.70	0.3	0.20	AIR-CHANGE	0.30	79.63	1512.97
1-MAILRM	1.0	EXT	0.0	0.32	4.6	0.20	AIR-CHANGE	0.15	1385.26	26319.94
1-OFF	1.0	EXT	0.0	0.42	8.9	1.50	AIR-CHANGE	0.15	1340.00	25460.00
1-SECURITY	1.0	EXT	0.0	0.42	1.8	1.50	AIR-CHANGE	0.15	273.00	5187.00
1-STAIR	1.0	EXT	0.0	0.76	2.5	0.00	AIR-CHANGE	0.15	749.33	14237.27
1-SALLYPORT	1.0	EXT	0.0	0.42	4.4	1.50	AIR-CHANGE	0.50	660.00	12540.00
2-BASKETBALL	1.0	EXT	0.0	0.38	91.7	0.50	AIR-CHANGE	0.25	7333.67	117925.41
2-VEST	1.0	EXT	0.0	0.70	0.3	0.20	AIR-CHANGE	0.30	78.87	1268.23
2-AMENITY-S	1.0	EXT	0.0	0.40	12.3	0.50	AIR-CHANGE	0.25	986.01	15855.04
2-GYM-N	1.0	EXT	0.0	0.38	65.2	0.50	AIR-CHANGE	0.25	5215.09	172804.00
2-STORAGE-N	1.0	EXT	0.0	0.40	6.3	0.20	AIR-CHANGE	0.15	1896.63	67033.00
2-CORR	1.0	EXT	0.0	0.63	1.6	0.20	AIR-CHANGE	0.15	489.86	7876.95
2-GYM-S	1.0	EXT	0.0	0.38	81.7	0.50	AIR-CHANGE	0.25	6533.12	105052.57
2-STAIR	1.0	INT	0.0	0.76	2.0	0.00	AIR-CHANGE	0.15	595.24	9571.46
3-FITNESS	1.0	EXT	0.0	0.38	17.2	0.50	AIR-CHANGE	0.25	1379.34	23448.78
3-OFC	1.0	EXT	0.0	0.42	10.2	1.50	AIR-CHANGE	0.15	1526.03	25942.51
3-CORR	1.0	INT	0.0	0.63	3.9	0.20	AIR-CHANGE	0.15	1172.63	19934.71
3-TOILET	1.0	EXT	0.0	0.49	3.0	0.50	AIR-CHANGE	0.15	904.72	15380.24
3-MECH	1.0	EXT	0.0	0.58	2.9	0.20	AIR-CHANGE	0.15	2938.45	49953.65
3-LOUNGE	1.0	EXT	0.0	0.37	114.1	0.50	AIR-CHANGE	0.15	5704.50	96976.50

3-STORAGE	1.0	INT	0.0	0.40	0.6	0.20	AIR-CHANGE	0.15	166.03	2822.51
3-ELEV-LOBBY	1.0	INT	0.0	0.59	3.3	0.20	AIR-CHANGE	0.15	166.62	2832.54
3-PLENUM	1.0	INT	0.0	0.00	0.0	0.00	NO-INFILT.	0.00	409.61	6963.37
3-STAIR	1.0	INT	0.0	0.76	4.0	0.00	AIR-CHANGE	0.15	1204.17	20470.89
4-MECH-E	3.0	EXT	0.0	0.58	0.5	0.20	AIR-CHANGE	0.15	492.35	5199.22
4-MECH-W	3.0	EXT	0.0	0.58	1.4	0.20	AIR-CHANGE	0.15	1371.32	14481.14
4-MECH-N	3.0	EXT	0.0	0.58	1.1	0.20	AIR-CHANGE	0.15	1121.04	11838.18
4-AP-2B-SW	3.0	EXT	0.0	0.65	5.5	1.30	AIR-CHANGE	0.30	1090.91	11520.01
4-AP-0B-S	3.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	5328.05

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4-AP-1B-S	3.0	EXT	0.0	0.66	13.6	1.30	AIR-CHANGE	0.30	2725.40	28780.22
4-AP-1B-SE	3.0	EXT	0.0	0.66	3.9	1.30	AIR-CHANGE	0.30	774.47	8178.40
4-AP-1B-NE	3.0	EXT	0.0	0.66	3.9	1.30	AIR-CHANGE	0.30	774.47	8178.40
4-AP-1B-N	3.0	EXT	0.0	0.66	3.4	1.30	AIR-CHANGE	0.30	677.76	7157.15
4-AP-0B-N	3.0	EXT	0.0	0.66	6.6	1.30	AIR-CHANGE	0.30	1319.52	13934.13
4-STAIR	3.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.37	4301.83
4-CORR	3.0	INT	0.0	0.63	3.2	0.20	AIR-CHANGE	0.15	958.80	10124.93
7-AP-2B-SW	26.0	EXT	0.0	0.65	5.5	1.30	AIR-CHANGE	0.30	1090.91	10810.92
7-AP-0B-S	26.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	5000.09
7-AP-1B-S	26.0	EXT	0.0	0.66	13.6	1.30	AIR-CHANGE	0.30	2725.40	27008.71
7-AP-1B-SE	26.0	EXT	0.0	0.66	3.9	1.30	AIR-CHANGE	0.30	774.47	7675.00
7-AP-1B-NE	26.0	EXT	0.0	0.66	7.3	1.30	AIR-CHANGE	0.30	1458.29	14451.65
7-AP-1B-N	26.0	EXT	0.0	0.66	3.4	1.30	AIR-CHANGE	0.30	677.76	6716.60
7-AP-0B-N	26.0	EXT	0.0	0.66	6.6	1.30	AIR-CHANGE	0.30	1319.52	13076.44
7-AP-0B-E	26.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	5109.60
7-STAIR	26.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	4037.83
7-AP-1B-W	26.0	EXT	0.0	0.66	3.5	1.30	AIR-CHANGE	0.30	701.01	6946.91
7-AP-2B-NW	26.0	EXT	0.0	0.65	5.3	1.30	AIR-CHANGE	0.30	1060.27	10507.27
7-CORR	26.0	INT	0.0	0.63	3.3	0.20	AIR-CHANGE	0.15	981.76	9729.24
33-AP-2B-SW	1.0	EXT	0.0	0.65	5.5	1.30	AIR-CHANGE	0.30	1090.91	10723.65
33-AP-0B-S	1.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	4959.73
33-AP-1B-S	1.0	EXT	0.0	0.66	13.6	1.30	AIR-CHANGE	0.30	2725.40	26790.68
33-AP-1B-SE	1.0	EXT	0.0	0.66	3.9	1.30	AIR-CHANGE	0.30	774.47	7613.04
33-AP-1B-NE	1.0	EXT	0.0	0.66	7.3	1.30	AIR-CHANGE	0.30	1458.29	14334.99
33-AP-1B-N	1.0	EXT	0.0	0.66	3.4	1.30	AIR-CHANGE	0.30	677.76	6662.38
33-AP-0B-N	1.0	EXT	0.0	0.66	6.6	1.30	AIR-CHANGE	0.30	1319.52	12970.88
33-AP-0B-E	1.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	5068.35
33-STAIR	1.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	4005.23
33-AP-1B-W	1.0	EXT	0.0	0.66	3.5	1.30	AIR-CHANGE	0.30	701.01	6890.83
33-AP-2B-NW	1.0	EXT	0.0	0.65	5.3	1.30	AIR-CHANGE	0.30	1060.27	10422.45
33-CORR	1.0	EXT	0.0	0.63	3.3	0.20	AIR-CHANGE	0.15	981.76	9650.70
34-AP-3B-SE	1.0	EXT	0.0	0.70	7.2	1.30	AIR-CHANGE	0.30	1432.71	17192.52
34-MECH-NE	1.0	EXT	0.0	0.65	5.9	1.30	AIR-CHANGE	0.30	1188.92	14267.04
34-AP-2B-SW	1.0	EXT	0.0	0.65	5.5	1.30	AIR-CHANGE	0.30	1090.91	13090.92
34-AP-0B-S	1.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	6054.60
34-AP-1B-S	1.0	EXT	0.0	0.66	6.8	1.30	AIR-CHANGE	0.30	1350.59	16207.08
34-AP-0B-N	1.0	EXT	0.0	0.66	4.3	1.30	AIR-CHANGE	0.30	865.20	10382.40
34-MECH-E	1.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	6187.20
34-STAIR	1.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	4889.40

34-AP-1B-W	1.0	EXT	0.0	0.66	3.5	1.30	AIR-CHANGE	0.30	701.01	8412.12
34-AP-1B-NE	1.0	EXT	0.0	0.66	3.4	1.30	AIR-CHANGE	0.30	683.82	8205.84
34-MECH-NW	1.0	EXT	0.0	0.65	5.3	1.30	AIR-CHANGE	0.30	1060.27	12723.24
34-CORR	1.0	INT	0.0	0.63	3.0	0.20	AIR-CHANGE	0.15	902.11	10825.32
35-ELEC	1.0	EXT	0.0	0.67	0.5	5.00	AIR-CHANGE	0.15	472.98	4729.80
35-AP-1B-S	1.0	EXT	0.0	0.66	10.2	1.30	AIR-CHANGE	0.30	2045.60	20456.00
35-AP-1B-SE	1.0	EXT	0.0	0.66	3.7	1.30	AIR-CHANGE	0.30	737.65	7376.50
35-AP-1B-NE	1.0	EXT	0.0	0.66	7.5	1.30	AIR-CHANGE	0.30	1508.35	15083.50
35-TANK	1.0	EXT	0.0	0.58	0.8	0.20	AIR-CHANGE	0.15	757.10	7571.00
35-AP-2B-SW	1.0	EXT	0.0	0.65	5.5	1.30	AIR-CHANGE	0.30	1090.91	10909.10
35-AP-0B-S	1.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	5045.50
35-STAIR	1.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.82	4078.20
35-EMR	1.0	EXT	0.0	0.67	1.0	5.00	AIR-CHANGE	0.15	952.06	9520.60
35-CORR	1.0	INT	0.0	0.63	3.0	0.20	AIR-CHANGE	0.15	902.11	9021.10
35-AP-2B-NW	1.0	EXT	0.0	0.65	5.4	1.30	AIR-CHANGE	0.30	1072.18	10721.80
35-AP-0B-E	1.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	5156.00
36-AP-0B-N	15.0	EXT	0.0	0.66	2.4	1.30	AIR-CHANGE	0.30	472.98	4720.34
36-AP-0B-W	15.0	EXT	0.0	0.66	5.0	1.30	AIR-CHANGE	0.30	1006.15	10041.38

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36-AP-1B-S	15.0	EXT	0.0	0.66	10.2	1.30	AIR-CHANGE	0.30	2045.60	20415.09
36-AP-1B-SE	15.0	EXT	0.0	0.66	3.7	1.30	AIR-CHANGE	0.30	737.65	7361.75
36-AP-1B-NE	15.0	EXT	0.0	0.66	7.5	1.30	AIR-CHANGE	0.30	1508.35	15053.33
36-AP-1B-N	15.0	EXT	0.0	0.66	3.8	1.30	AIR-CHANGE	0.30	757.10	7555.86
36-AP-2B-SW	15.0	EXT	0.0	0.65	5.5	1.30	AIR-CHANGE	0.30	1090.91	10887.28
36-AP-0B-S	15.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	5035.41
36-STAIR	15.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	4066.35
36-CORR	15.0	INT	0.0	0.63	3.0	0.20	AIR-CHANGE	0.15	902.11	9003.06
36-AP-0B-E	15.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	5145.69
36-AP-2B-NW	15.0	EXT	0.0	0.65	5.1	1.30	AIR-CHANGE	0.30	1017.30	10152.65
51-AP-1B-S	4.0	EXT	0.0	0.66	10.3	1.30	AIR-CHANGE	0.30	2059.69	22924.35
51-AP-2B-SW	4.0	EXT	0.0	0.65	5.7	1.30	AIR-CHANGE	0.30	1139.18	12679.07
51-AP-0B-N	4.0	EXT	0.0	0.66	2.4	1.30	AIR-CHANGE	0.30	473.31	5267.94
51-AP-2B-NW	4.0	EXT	0.0	0.65	5.4	1.30	AIR-CHANGE	0.30	1082.77	12051.23
51-AP-0B-S	4.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	5615.64
51-AP-1B-SE	4.0	EXT	0.0	0.66	3.7	1.30	AIR-CHANGE	0.30	737.65	8210.04
51-AP-1B-NE	4.0	EXT	0.0	0.66	7.5	1.30	AIR-CHANGE	0.30	1508.35	16787.94
51-AP-1B-N	4.0	EXT	0.0	0.66	3.8	1.30	AIR-CHANGE	0.30	757.10	8426.52
51-STAIR	4.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	4534.92
51-CORR	4.0	INT	0.0	0.63	3.0	0.20	AIR-CHANGE	0.15	902.11	10040.48
51-AP-0B-E	4.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	5738.63
51-AP-1B-W	4.0	EXT	0.0	0.66	4.4	1.30	AIR-CHANGE	0.30	878.34	9775.92
55-AP-1B-S	6.0	EXT	0.0	0.66	6.8	1.30	AIR-CHANGE	0.30	1364.68	21248.07
55-AP-2B-NE	6.0	EXT	0.0	0.65	5.9	1.30	AIR-CHANGE	0.30	1170.08	18218.14
55-AP-0B-N	6.0	EXT	0.0	0.66	4.4	1.30	AIR-CHANGE	0.30	884.00	13763.88
55-AP-2B-SW	6.0	EXT	0.0	0.65	5.7	1.30	AIR-CHANGE	0.30	1139.18	17737.03
55-AP-2B-NW	6.0	EXT	0.0	0.65	5.4	1.30	AIR-CHANGE	0.30	1082.77	16858.73
55-AP-1B-NE	6.0	EXT	0.0	0.66	3.4	1.30	AIR-CHANGE	0.30	684.22	10653.31
55-AP-0B-S	6.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	7855.84
55-STAIR	6.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	6344.00

55-CORR	6.0	INT	0.0	0.63	3.0	0.20	AIR-CHANGE	0.15	902.11	14045.85
55-AP-0B-E	6.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	8027.89
55-AP-1B-W	6.0	EXT	0.0	0.66	4.4	1.30	AIR-CHANGE	0.30	878.34	13675.75
55-AP-3B-SE	6.0	EXT	0.0	0.70	7.2	1.30	AIR-CHANGE	0.30	1432.71	22307.29
61-AP-1B-S	1.0	EXT	0.0	0.66	6.8	1.30	AIR-CHANGE	0.30	1364.68	23199.56
61-AP-2B-NE	1.0	EXT	0.0	0.65	5.9	1.30	AIR-CHANGE	0.30	1170.08	19891.36
61-AP-0B-N	1.0	EXT	0.0	0.66	4.4	1.30	AIR-CHANGE	0.30	884.00	15028.00
61-AP-2B-SW	1.0	EXT	0.0	0.65	5.7	1.30	AIR-CHANGE	0.30	1139.18	19366.06
61-AP-2B-NW	1.0	EXT	0.0	0.65	5.4	1.30	AIR-CHANGE	0.30	1082.77	18407.09
61-AP-1B-NE	1.0	EXT	0.0	0.66	3.4	1.30	AIR-CHANGE	0.30	684.22	11631.74
61-AP-0B-S	1.0	EXT	0.0	0.66	2.5	1.30	AIR-CHANGE	0.30	504.55	8577.35
61-STAIR	1.0	INT	0.0	0.76	1.4	0.00	AIR-CHANGE	0.15	407.45	6926.65
61-CORR	1.0	EXT	0.0	0.63	3.0	0.20	AIR-CHANGE	0.15	902.11	15335.87
61-AP-0B-E	1.0	EXT	0.0	0.66	2.6	1.30	AIR-CHANGE	0.30	515.60	8765.20
61-AP-1B-W	1.0	EXT	0.0	0.66	4.4	1.30	AIR-CHANGE	0.30	878.34	14931.78
61-AP-3B-SE	1.0	EXT	0.0	0.70	7.2	1.30	AIR-CHANGE	0.30	1432.71	24356.07
62-LOUNGE	1.0	EXT	0.0	0.37	50.2	0.50	AIR-CHANGE	0.15	2511.73	33079.48
62-MECH	1.0	EXT	0.0	0.58	0.5	0.20	AIR-CHANGE	0.15	543.57	7158.82
62-DINING	1.0	EXT	0.0	0.58	53.5	0.50	AIR-CHANGE	0.15	1605.08	21138.90
62-PANTRY	1.0	EXT	0.0	0.58	4.8	0.50	AIR-CHANGE	0.15	144.85	1907.67
62-CORR	1.0	EXT	0.0	0.63	1.5	0.20	AIR-CHANGE	0.15	460.86	6069.53
62-ELEV-LOBBY	1.0	EXT	0.0	0.59	8.2	0.20	AIR-CHANGE	0.15	408.92	5385.48
62-VEST	1.0	INT	0.0	0.70	0.2	0.20	AIR-CHANGE	0.30	55.03	724.75
62-STAIR	1.0	EXT	0.0	0.76	0.7	0.00	AIR-CHANGE	0.15	213.78	2815.48
63-MECH	1.0	EXT	0.0	0.58	4.3	0.20	AIR-CHANGE	0.15	4342.97	65144.55
63-VEST	1.0	EXT	0.0	0.70	0.5	0.20	AIR-CHANGE	0.30	152.04	2280.60
63-CORR	1.0	INT	0.0	0.63	0.3	0.20	AIR-CHANGE	0.15	91.20	1368.00

(CONTINUED)

63-STAIR	1.0	EXT	0.0	0.76	1.1	0.00	AIR-CHANGE	0.15	315.51	4732.65
64-CORR	1.0	EXT	0.0	0.63	0.4	0.20	AIR-CHANGE	0.15	114.16	1027.44
64-STAIR	1.0	EXT	0.0	0.76	0.8	0.00	AIR-CHANGE	0.15	247.74	2229.66
64-STORAGE	1.0	EXT	0.0	0.40	0.6	0.20	AIR-CHANGE	0.15	184.42	2428.81
64-EMR	1.0	EXT	0.0	0.67	0.9	5.00	AIR-CHANGE	0.15	863.55	11372.95
65-STAIR	1.0	EXT	0.0	0.76	0.5	0.00	AIR-CHANGE	0.15	142.55	1710.60
65-EMR	1.0	EXT	0.0	0.67	0.4	5.00	AIR-CHANGE	0.15	386.04	4632.48
BUILDING TOTALS					3929.7				761138.31	9081029.00

NUMBER OF EXTERIOR SURFACES 296 RECTANGULAR 296 OTHER 0
(U-VALUE INCLUDES OUTSIDE AIR FILM; WINDOW INCLUDES FRAME, IF DEFINED)

SURFACE	SPACE	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	U-VALUE (BTU/HR-SQFT-F)	AREA (SQFT)	AZIMUTH
	SHAFT	0.000	0.00	0.106	340.00	0.106	340.00	WEST
	SHAFT	0.000	0.00	0.565	529.92	0.565	529.92	UNDERGRND
	SHAFT	0.000	0.00	0.110	132.73	0.110	132.73	UNDERGRND
	C-BOH	0.000	0.00	0.110	729.69	0.110	729.69	UNDERGRND
	C-BOH	0.000	0.00	0.110	252.07	0.110	252.07	UNDERGRND
	C-BOH	0.000	0.00	0.565	1089.00	0.565	1089.00	UNDERGRND
	C-STORAGE	0.000	0.00	0.110	295.49	0.110	295.49	UNDERGRND
	C-STORAGE	0.000	0.00	0.110	922.48	0.110	922.48	UNDERGRND
	C-STORAGE	0.000	0.00	0.110	733.72	0.110	733.72	UNDERGRND
	C-STORAGE	0.000	0.00	0.565	5038.16	0.565	5038.16	UNDERGRND
	C-LOCKER	0.000	0.00	0.565	587.58	0.565	587.58	UNDERGRND
	C-TELE	0.000	0.00	0.110	285.09	0.110	285.09	UNDERGRND
	C-TELE	0.000	0.00	0.565	230.43	0.565	230.43	UNDERGRND
	C-MECH	0.000	0.00	0.110	367.12	0.110	367.12	UNDERGRND
	C-MECH	0.000	0.00	0.110	390.26	0.110	390.26	UNDERGRND
	C-MECH	0.000	0.00	0.565	4617.20	0.565	4617.20	UNDERGRND
	C-OFC	0.000	0.00	0.110	423.15	0.110	423.15	UNDERGRND
	C-OFC	0.000	0.00	0.110	402.35	0.110	402.35	UNDERGRND

C-OFC	0.000	0.00	0.565	1020.80	0.565	1020.80	UNDERGRND
C-STAIR	0.000	0.00	0.110	410.15	0.110	410.15	UNDERGRND
C-STAIR	0.000	0.00	0.565	476.11	0.565	476.11	UNDERGRND
C-ELEC	0.000	0.00	0.110	503.23	0.110	503.23	UNDERGRND
C-ELEC	0.000	0.00	0.565	2331.92	0.565	2331.92	UNDERGRND
C-CORR	0.000	0.00	0.110	97.89	0.110	97.89	UNDERGRND
C-CORR	0.000	0.00	0.110	1108.25	0.110	1108.25	UNDERGRND
C-CORR	0.000	0.00	0.110	58.76	0.110	58.76	UNDERGRND
C-CORR	0.000	0.00	0.565	2272.43	0.565	2272.43	UNDERGRND
C-ELEV-LOBBY	0.000	0.00	0.565	204.78	0.565	204.78	UNDERGRND
C-TANK	0.000	0.00	0.110	510.51	0.110	510.51	UNDERGRND
C-TANK	0.000	0.00	0.110	752.57	0.110	752.57	UNDERGRND
C-TANK	0.000	0.00	0.565	2092.15	0.565	2092.15	UNDERGRND
1-MOVE-IN	0.000	0.00	0.149	529.72	0.149	529.72	NORTH
1-BOH	0.000	0.00	0.149	1995.76	0.149	1995.76	NORTH
1-CORR	0.000	0.00	0.149	116.85	0.149	116.85	NORTH
1-OFF	0.000	0.00	0.149	304.00	0.149	304.00	NORTH
1-SECURITY	0.000	0.00	0.149	285.00	0.149	285.00	NORTH
1-STAIR	0.000	0.00	0.149	102.79	0.149	102.79	NORTH
1-STAIR	0.000	0.00	0.149	93.10	0.149	93.10	NORTH
1-PACKAGE	0.484	17.22	0.149	35.22	0.259	52.44	EAST
1-BOH	0.000	0.00	0.149	487.16	0.149	487.16	EAST
1-RETAIL	0.000	0.00	0.166	857.28	0.166	857.28	EAST
1-STAIR	0.000	0.00	0.149	327.94	0.149	327.94	EAST
1-MAILRM	1.211	340.53	0.149	568.62	0.547	909.15	SOUTH
1-LOBBY	1.211	177.87	0.166	303.97	0.552	481.84	SOUTH

1-RETAIL	1.211	272.36	0.149	458.76	0.545	731.12	SOUTH
1-PACKAGE	0.484	215.54	0.149	360.35	0.275	575.89	SOUTH
1-LOBBY	1.211	137.19	0.166	233.31	0.553	370.50	SOUTH
1-VEST	1.211	67.37	0.149	118.26	0.535	185.63	SOUTH
1-LOBBY	0.484	16.79	0.149	35.65	0.257	52.44	WEST
1-MAILRM	0.000	0.00	0.149	202.92	0.149	202.92	WEST
1-VEST	0.484	59.39	0.166	95.46	0.288	154.85	WEST
1-OFF	0.000	0.00	0.166	1163.75	0.166	1163.75	WEST
1-SALLYPORT	0.000	0.00	0.149	1425.00	0.149	1425.00	WEST
2-BASKETBALL	0.000	0.00	0.149	2537.29	0.149	2537.29	NORTH
2-POOL	0.000	0.00	0.149	549.45	0.149	549.45	NORTH
2-POOL	0.000	0.00	0.149	1481.93	0.149	1481.93	NORTH
2-STORAGE-N	0.000	0.00	0.149	498.00	0.149	498.00	NORTH
2-BASKETBALL	0.000	0.00	0.149	3814.65	0.149	3814.65	EAST
2-BASKETBALL	0.484	892.90	0.149	1644.38	0.267	2537.29	SOUTH
2-VEST	0.484	65.51	0.149	91.43	0.289	156.94	SOUTH
2-AMENITY-S	0.484	191.29	0.166	248.18	0.305	439.47	SOUTH
2-AMENITY	0.484	859.85	0.166	1073.12	0.308	1932.98	SOUTH
2-VEST	0.484	55.98	0.166	73.95	0.303	129.93	WEST
2-STORAGE-N	0.484	566.18	0.149	555.56	0.318	1121.74	WEST
2-CORR	0.484	31.44	0.166	39.95	0.306	71.40	WEST
2-AMENITY-S	0.484	109.22	0.149	127.16	0.304	236.38	WEST
2-BASKETBALL	0.000	0.00	0.045	7282.80	0.045	7282.80	ROOF
2-POOL	0.000	0.00	0.045	3653.20	0.045	3653.20	ROOF
3-FITNESS	0.000	0.00	0.149	410.04	0.149	410.04	NORTH
3-TOILET	0.000	0.00	0.149	473.11	0.149	473.11	NORTH

3-MECH	0.000	0.00	0.149	1129.99	0.149	1129.99	NORTH
3-LOUNGE	0.000	0.00	0.149	652.29	0.149	652.29	NORTH
3-OFC	0.484	289.08	0.166	498.36	0.283	787.44	SOUTH
3-FITNESS	0.000	0.00	0.166	424.66	0.166	424.66	SOUTH
3-LOUNGE	0.484	501.89	0.166	949.74	0.276	1451.63	SOUTH
3-OFC	0.484	274.33	0.166	447.83	0.287	722.16	WEST
3-MECH	0.484	355.67	0.166	686.26	0.275	1041.93	WEST
4-MECH-N	0.484	879.50	0.149	1209.80	0.290	2089.30	NORTH
4-AP-1B-NE	0.484	498.48	0.149	271.03	0.366	769.51	NORTH
4-AP-1B-N	0.484	435.59	0.325	285.13	0.421	720.72	NORTH
4-AP-0B-N	0.484	324.49	0.149	158.63	0.374	483.12	NORTH
4-AP-0B-N	0.484	579.48	0.166	340.51	0.367	919.99	NORTH
4-AP-1B-NE	0.484	541.51	0.166	488.09	0.334	1029.60	EAST
4-MECH-N	0.484	425.49	0.149	288.57	0.349	714.07	EAST
4-AP-1B-SE	0.484	538.55	0.166	491.05	0.333	1029.60	EAST
4-MECH-E	0.484	375.03	0.166	178.10	0.382	553.13	EAST
4-AP-0B-S	0.484	267.13	0.166	271.43	0.324	538.56	SOUTH
4-AP-1B-S	0.484	803.10	0.166	660.84	0.341	1463.93	SOUTH
4-AP-1B-S	0.484	807.19	0.166	652.63	0.342	1459.81	SOUTH
4-AP-2B-SW	0.484	424.47	0.166	327.93	0.346	752.40	SOUTH
4-AP-1B-SE	0.484	446.43	0.166	323.08	0.351	769.51	SOUTH
4-MECH-W	0.484	860.13	0.166	740.97	0.337	1601.11	WEST
4-AP-2B-SW	0.484	669.88	0.166	700.28	0.322	1370.16	WEST
4-MECH-N	0.484	252.30	0.149	102.83	0.387	355.13	WEST
7-AP-1B-NE	0.484	4328.65	0.325	1929.91	0.435	6258.56	NORTH
7-AP-1B-NE	0.484	4315.92	0.166	3568.47	0.340	7884.40	NORTH

7-AP-1B-N	0.484	3775.11	0.166	2086.66	0.371	5861.77	NORTH
7-AP-0B-N	0.484	2812.24	0.166	1117.07	0.394	3929.31	NORTH
7-AP-0B-N	0.484	5022.16	0.166	2460.28	0.380	7482.45	NORTH
7-AP-2B-NW	0.484	5711.44	0.166	3394.27	0.366	9105.70	NORTH
7-AP-1B-SE	0.484	4746.73	0.166	2883.62	0.364	7630.35	EAST
7-AP-1B-NE	0.484	3601.85	0.166	1690.09	0.383	5291.94	EAST
7-AP-0B-E	0.484	3258.82	0.325	840.44	0.452	4099.26	EAST
7-AP-1B-NE	0.484	4667.40	0.166	2962.95	0.361	7630.35	EAST
7-AP-1B-SE	0.484	3859.72	0.325	1508.37	0.440	5368.09	SOUTH
7-AP-0B-S	0.484	2315.09	0.166	1441.91	0.362	3757.00	SOUTH
7-AP-1B-S	0.484	6960.18	0.166	3252.23	0.383	10212.41	SOUTH
7-AP-1B-S	0.484	6995.62	0.166	3188.06	0.385	10183.68	SOUTH
7-AP-2B-SW	0.484	3710.48	0.166	1538.27	0.391	5248.75	SOUTH
7-AP-1B-W	0.484	2172.17	0.325	1234.87	0.427	3407.04	WEST
7-AP-1B-W	0.484	1895.71	0.166	1642.74	0.337	3538.45	WEST
7-AP-2B-SW	0.484	4423.33	0.166	6101.99	0.300	10525.32	WEST
7-AP-2B-NW	0.484	5546.93	0.166	2535.05	0.385	8081.99	WEST
33-AP-1B-NE	0.484	166.49	0.166	72.28	0.388	238.77	NORTH
33-AP-1B-NE	0.484	166.00	0.166	134.80	0.342	300.80	NORTH
33-AP-1B-N	0.484	145.20	0.166	78.44	0.373	223.63	NORTH
33-AP-0B-N	0.484	108.16	0.166	41.74	0.396	149.91	NORTH
33-AP-0B-N	0.484	193.16	0.166	92.30	0.381	285.46	NORTH
33-AP-2B-NW	0.484	219.67	0.166	127.72	0.367	347.39	NORTH
33-AP-1B-SE	0.484	182.57	0.325	136.91	0.416	319.48	EAST
33-AP-1B-NE	0.484	138.53	0.166	83.04	0.365	221.57	EAST
33-AP-0B-E	0.484	125.34	0.166	46.29	0.399	171.63	EAST

33-AP-1B-NE	0.484	179.52	0.166	139.96	0.345	319.48	EAST
33-AP-1B-SE	0.484	148.45	0.166	90.32	0.364	238.77	SOUTH
33-AP-0B-S	0.484	89.04	0.166	78.07	0.336	167.11	SOUTH
33-AP-1B-S	0.484	267.70	0.166	186.55	0.354	454.24	SOUTH
33-AP-1B-S	0.484	269.06	0.166	183.90	0.355	452.97	SOUTH
33-AP-2B-SW	0.484	142.71	0.166	90.75	0.361	233.46	SOUTH
33-AP-1B-W	0.484	156.46	0.166	124.09	0.344	280.55	WEST
33-AP-2B-SW	0.484	170.13	0.325	255.02	0.389	425.15	WEST
33-AP-2B-NW	0.484	213.34	0.166	113.11	0.374	326.45	WEST
33-AP-1B-NE	0.000	0.00	0.043	693.81	0.043	693.81	ROOF
33-AP-1B-SE	0.000	0.00	0.043	693.81	0.043	693.81	ROOF
33-AP-1B-SE	0.000	0.00	0.043	50.81	0.043	50.81	ROOF
33-AP-1B-NE	0.000	0.00	0.043	50.81	0.043	50.81	ROOF
33-CORR	0.000	0.00	0.043	24.61	0.043	24.61	ROOF
34-MECH-NE	0.484	256.87	0.166	211.13	0.341	468.00	NORTH
34-AP-0B-N	0.484	203.60	0.166	144.88	0.352	348.48	NORTH
34-AP-1B-NE	0.484	185.49	0.166	181.71	0.327	367.20	NORTH
34-MECH-NW	0.484	231.42	0.166	192.66	0.340	424.08	NORTH
34-MECH-E	0.484	125.34	0.166	84.18	0.357	209.52	EAST
34-MECH-NE	0.484	82.46	0.166	306.94	0.234	389.40	EAST
34-AP-1B-NE	0.484	138.53	0.166	131.95	0.329	270.48	EAST
34-AP-3B-SE	0.484	82.46	0.325	308.14	0.359	390.60	EAST
34-AP-2B-SW	0.484	145.94	0.166	139.06	0.329	285.00	SOUTH
34-AP-0B-S	0.484	102.46	0.166	101.54	0.326	204.00	SOUTH
34-AP-1B-S	0.484	281.19	0.325	273.33	0.406	554.52	SOUTH
34-AP-3B-SE	0.484	285.28	0.166	279.80	0.327	565.08	SOUTH

34-AP-1B-W	0.484	156.46	0.166	186.02	0.312	342.48	WEST
34-AP-2B-SW	0.484	184.71	0.166	334.29	0.279	519.00	WEST
34-MECH-NW	0.484	213.88	0.166	184.64	0.337	398.52	WEST
35-ELEC	0.484	97.31	0.166	66.09	0.356	163.40	NORTH
35-AP-1B-NE	0.484	179.29	0.166	85.91	0.381	265.20	NORTH
35-AP-1B-NE	0.484	185.49	0.166	121.11	0.359	306.60	NORTH
35-TANK	0.484	170.16	0.166	81.74	0.381	251.90	NORTH
35-AP-2B-NW	0.484	231.42	0.325	121.68	0.430	353.10	NORTH
35-AP-1B-NE	0.484	159.97	0.166	65.43	0.392	225.40	EAST
35-AP-1B-NE	0.484	82.46	0.166	242.04	0.247	324.50	EAST
35-AP-1B-SE	0.484	82.46	0.166	243.04	0.247	325.50	EAST
35-AP-0B-E	0.484	125.34	0.166	49.26	0.395	174.60	EAST
35-AP-1B-S	0.484	143.50	0.166	89.20	0.362	232.70	SOUTH
35-AP-2B-SW	0.484	145.94	0.325	91.56	0.423	237.50	SOUTH
35-AP-0B-S	0.484	102.46	0.166	67.54	0.358	170.00	SOUTH
35-AP-1B-SE	0.484	141.13	0.166	97.07	0.355	238.20	SOUTH
35-AP-1B-S	0.484	284.70	0.166	177.40	0.362	462.10	SOUTH
35-AP-2B-SW	0.484	246.84	0.325	185.66	0.416	432.50	WEST
35-AP-2B-NW	0.484	231.65	0.166	108.85	0.383	340.50	WEST
35-EMR	0.000	0.00	0.166	277.00	0.166	277.00	WEST
36-AP-0B-N	0.484	1459.71	0.325	986.38	0.420	2446.10	NORTH
36-AP-1B-NE	0.484	2689.40	0.166	1280.65	0.382	3970.04	NORTH
36-AP-1B-NE	0.484	2812.71	0.166	1777.09	0.361	4589.80	NORTH
36-AP-1B-N	0.484	2552.36	0.166	1218.59	0.382	3770.94	NORTH
36-AP-2B-NW	0.484	2518.10	0.166	2767.81	0.318	5285.91	NORTH
36-AP-1B-NE	0.484	2373.72	0.166	699.61	0.412	3073.33	EAST

36-AP-1B-NE	0.484	1236.90	0.166	3187.66	0.255	4424.56	EAST
36-AP-0B-E	0.484	1880.09	0.325	500.58	0.451	2380.67	EAST
36-AP-1B-SE	0.484	1236.90	0.166	3201.29	0.255	4438.19	EAST
36-AP-1B-S	0.484	2152.50	0.166	835.37	0.395	2987.87	SOUTH
36-AP-2B-SW	0.484	2189.09	0.166	860.41	0.395	3049.50	SOUTH
36-AP-0B-S	0.484	1536.88	0.325	645.92	0.437	2182.80	SOUTH
36-AP-1B-SE	0.484	2116.98	0.166	941.50	0.386	3058.49	SOUTH
36-AP-1B-S	0.484	4270.56	0.166	1662.80	0.395	5933.36	SOUTH
36-AP-2B-SW	0.484	3639.90	0.166	2179.38	0.365	5819.29	WEST
36-AP-0B-W	0.484	2688.63	0.166	1197.17	0.386	3885.80	WEST
36-AP-2B-NW	0.484	3349.39	0.166	1073.26	0.407	4422.66	WEST
51-AP-0B-N	0.484	389.26	0.325	338.20	0.410	727.46	NORTH
51-AP-2B-NW	0.484	929.91	0.166	643.43	0.354	1573.34	NORTH
51-AP-1B-NE	0.484	717.17	0.166	463.50	0.359	1180.67	NORTH
51-AP-1B-NE	0.484	741.97	0.166	623.01	0.339	1364.98	NORTH
51-AP-1B-N	0.484	680.63	0.166	440.83	0.359	1121.46	NORTH
51-AP-1B-SE	0.484	329.84	0.166	1119.29	0.239	1449.13	EAST
51-AP-1B-NE	0.484	639.89	0.325	363.59	0.427	1003.48	EAST
51-AP-1B-NE	0.484	329.84	0.166	1114.83	0.239	1444.67	EAST
51-AP-0B-E	0.484	514.55	0.166	262.77	0.377	777.32	EAST
51-AP-1B-S	0.484	574.00	0.166	461.98	0.342	1035.98	SOUTH
51-AP-0B-S	0.484	409.84	0.166	347.00	0.338	756.84	SOUTH
51-AP-2B-SW	0.484	583.76	0.166	472.26	0.342	1056.01	SOUTH
51-AP-1B-SE	0.484	564.53	0.325	495.94	0.410	1060.47	SOUTH
51-AP-1B-S	0.484	1138.82	0.166	918.45	0.342	2057.27	SOUTH
51-AP-2B-NW	0.484	892.56	0.325	645.60	0.418	1538.17	WEST

51-AP-2B-SW	0.484	969.43	0.166	956.06	0.326	1925.49	WEST
51-AP-1B-W	0.484	665.32	0.166	545.62	0.341	1210.94	WEST
55-AP-2B-NE	0.484	1531.90	0.166	2052.62	0.302	3584.53	NORTH
55-AP-0B-N	0.484	1148.68	0.166	1624.02	0.298	2772.71	NORTH
55-AP-2B-NW	0.484	1398.78	0.166	1902.68	0.301	3301.46	NORTH
55-AP-1B-NE	0.484	1112.95	0.166	1751.30	0.290	2864.26	NORTH
55-AP-2B-NE	0.484	494.76	0.166	1927.31	0.231	2422.07	EAST
55-AP-1B-NE	0.484	959.83	0.166	722.55	0.348	1682.39	EAST
55-AP-0B-E	0.484	771.83	0.166	532.14	0.355	1303.96	EAST
55-AP-3B-SE	0.484	494.76	0.166	1934.77	0.231	2429.53	EAST
55-AP-0B-S	0.484	614.75	0.166	424.63	0.354	1039.38	SOUTH
55-AP-2B-SW	0.484	875.64	0.166	574.60	0.358	1450.24	SOUTH
55-AP-1B-S	0.484	1708.22	0.166	1117.06	0.359	2825.28	SOUTH
55-AP-3B-SE	0.484	1712.53	0.166	1457.57	0.338	3170.10	SOUTH
55-AP-1B-W	0.484	993.43	0.166	837.68	0.339	1831.10	WEST
55-AP-2B-SW	0.484	1455.05	0.166	1456.54	0.325	2911.59	WEST
55-AP-2B-NW	0.484	1338.85	0.166	987.06	0.349	2325.91	WEST
61-AP-2B-NE	0.484	317.13	0.166	335.16	0.321	652.29	NORTH
61-AP-0B-N	0.484	237.80	0.166	266.76	0.316	504.56	NORTH
61-AP-2B-NW	0.484	289.57	0.166	311.21	0.320	600.78	NORTH
61-AP-1B-NE	0.484	230.40	0.166	290.82	0.307	521.22	NORTH
61-AP-2B-NE	0.484	101.32	0.166	450.33	0.225	551.65	EAST
61-AP-1B-NE	0.484	196.56	0.166	186.62	0.329	383.18	EAST
61-AP-0B-E	0.484	158.06	0.166	138.93	0.336	296.99	EAST
61-AP-3B-SE	0.484	101.32	0.166	452.03	0.225	553.35	EAST
61-AP-0B-S	0.484	144.68	0.166	144.32	0.325	289.00	SOUTH

61-AP-2B-SW	0.484	206.08	0.166	197.16	0.329	403.24	SOUTH
61-AP-1B-S	0.484	402.04	0.166	383.53	0.329	785.57	SOUTH
61-AP-3B-SE	0.484	403.05	0.166	397.48	0.326	800.53	SOUTH
61-AP-1B-W	0.484	202.28	0.166	260.12	0.305	462.40	WEST
61-AP-2B-SW	0.484	323.51	0.166	411.74	0.306	735.25	WEST
61-AP-2B-NW	0.484	262.29	0.166	325.06	0.308	587.35	WEST
61-AP-2B-NE	0.000	0.00	0.045	152.95	0.045	152.95	ROOF
61-AP-1B-S	0.000	0.00	0.045	405.99	0.045	405.99	ROOF
61-AP-0B-N	0.000	0.00	0.045	647.62	0.045	647.62	ROOF
61-AP-1B-NE	0.000	0.00	0.045	837.23	0.045	837.23	ROOF
61-AP-1B-S	0.000	0.00	0.045	945.92	0.045	945.92	ROOF
61-AP-0B-S	0.000	0.00	0.045	39.23	0.045	39.23	ROOF
61-AP-0B-S	0.000	0.00	0.045	341.36	0.045	341.36	ROOF
61-CORR	0.000	0.00	0.045	266.28	0.045	266.28	ROOF
61-AP-2B-NE	0.000	0.00	0.045	27.03	0.045	27.03	ROOF
61-AP-2B-SW	0.000	0.00	0.045	481.28	0.045	481.28	ROOF
61-AP-2B-SW	0.000	0.00	0.045	224.98	0.045	224.98	ROOF
61-AP-2B-NE	0.000	0.00	0.045	154.63	0.045	154.63	ROOF
61-AP-3B-SE	0.000	0.00	0.045	945.57	0.045	945.57	ROOF
62-LOUNGE	0.000	0.00	0.149	84.42	0.149	84.42	NORTH
62-LOUNGE	0.484	672.96	0.149	53.50	0.460	726.46	NORTH
62-DINING	0.484	444.73	0.149	414.75	0.323	859.47	NORTH
62-MECH	0.000	0.00	0.149	111.68	0.149	111.68	EAST
62-DINING	0.484	141.09	0.166	183.16	0.305	324.25	EAST
62-LOUNGE	0.484	278.30	0.166	25.92	0.457	304.23	EAST
62-PANTRY	0.000	0.00	0.149	120.51	0.149	120.51	EAST

62-CORR	0.000	0.00	0.149	113.53	0.149	113.53	EAST
62-STAIR	0.000	0.00	0.149	343.34	0.149	343.34	EAST
62-MECH	0.000	0.00	0.166	297.25	0.166	297.25	SOUTH
62-CORR	0.000	0.00	0.166	132.49	0.166	132.49	SOUTH
62-LOUNGE	0.484	242.01	0.166	404.50	0.285	646.52	SOUTH
62-ELEV-LOBBY	0.000	0.00	0.166	187.01	0.166	187.01	SOUTH
62-LOUNGE	0.484	591.94	0.166	134.52	0.425	726.46	SOUTH
62-STAIR	0.000	0.00	0.166	107.99	0.166	107.99	SOUTH
62-MECH	0.000	0.00	0.149	193.86	0.149	193.86	WEST
62-LOUNGE	0.484	150.61	0.149	344.85	0.251	495.46	WEST
62-DINING	0.484	152.39	0.149	171.33	0.307	323.72	WEST
62-LOUNGE	0.000	0.00	0.149	103.91	0.149	103.91	WEST
62-LOUNGE	0.000	0.00	0.149	88.37	0.149	88.37	WEST
62-LOUNGE	0.000	0.00	0.045	1274.20	0.045	1274.20	ROOF
62-LOUNGE	0.000	0.00	0.045	69.28	0.045	69.28	ROOF
63-MECH	0.000	0.00	0.149	975.00	0.149	975.00	NORTH
63-STAIR	0.000	0.00	0.149	12.75	0.149	12.75	NORTH
63-VEST	0.000	0.00	0.149	118.80	0.149	118.80	EAST
63-MECH	0.000	0.00	0.149	624.15	0.149	624.15	EAST
63-STAIR	0.000	0.00	0.149	404.25	0.149	404.25	EAST
63-MECH	0.000	0.00	0.149	703.80	0.149	703.80	SOUTH
63-VEST	0.000	0.00	0.149	285.60	0.149	285.60	SOUTH
63-MECH	0.000	0.00	0.149	1147.65	0.149	1147.65	WEST
63-MECH	0.000	0.00	0.045	218.19	0.045	218.19	ROOF
63-MECH	0.000	0.00	0.045	443.15	0.045	443.15	ROOF
63-MECH	0.000	0.00	0.045	1909.32	0.045	1909.32	ROOF

63-VEST	0.000	0.00	0.045	150.99	0.045	150.99	ROOF
63-MECH	0.000	0.00	0.045	132.65	0.045	132.65	ROOF
63-MECH	0.000	0.00	0.045	727.37	0.045	727.37	ROOF
64-CORR	0.000	0.00	0.149	67.32	0.149	67.32	NORTH
64-CORR	0.000	0.00	0.149	17.28	0.149	17.28	NORTH
64-STAIR	0.000	0.00	0.149	87.12	0.149	87.12	NORTH
64-EMR	0.000	0.00	0.149	93.60	0.149	93.60	NORTH
64-EMR	0.000	0.00	0.149	151.11	0.149	151.11	NORTH
64-CORR	0.000	0.00	0.149	70.92	0.149	70.92	EAST
64-STAIR	0.000	0.00	0.149	230.22	0.149	230.22	EAST
64-EMR	0.000	0.00	0.149	245.25	0.149	245.25	SOUTH
64-STAIR	0.000	0.00	0.149	87.21	0.149	87.21	SOUTH
64-STORAGE	0.000	0.00	0.149	84.24	0.149	84.24	SOUTH
64-EMR	0.000	0.00	0.149	39.69	0.149	39.69	WEST
64-EMR	0.000	0.00	0.149	260.73	0.149	260.73	WEST
64-CORR	0.000	0.00	0.045	58.87	0.045	58.87	ROOF
64-EMR	0.000	0.00	0.045	790.49	0.045	790.49	ROOF
64-EMR	0.000	0.00	0.045	74.04	0.045	74.04	ROOF

REPORT- LV-D DETAILS OF EXTERIOR SURFACES IN THE PROJECT WEATHER FILE- New York CityNY TMY2
(CONTINUED)

	AVERAGE U-VALUE/WINDOWS (BTU/HR-SQFT-F)	AVERAGE U-VALUE/WALLS (BTU/HR-SQFT-F)	AVERAGE U-VALUE WALLS+WINDOWS (BTU/HR-SQFT-F)	WINDOW AREA (SQFT)	WALL AREA (SQFT)	WINDOW+WALL AREA (SQFT)
NORTH	0.484	0.173	0.334	54298.9	50766.2	105065.1
EAST	0.484	0.172	0.318	31917.1	36323.1	68240.3
SOUTH	0.497	0.177	0.369	55588.3	37091.8	92680.1
WEST	0.484	0.174	0.335	35946.6	33246.6	69193.2
ROOF	0.000	0.045	0.045	0.0	23768.5	23768.5
ALL WALLS	0.488	0.174	0.341	177750.9	157427.7	335178.7
WALLS+ROOFS	0.488	0.157	0.321	177750.9	181196.2	358947.1
UNDERGRND	0.000	0.433	0.433	0.0	28866.0	28866.0
BUILDING	0.488	0.195	0.329	177750.9	210062.2	387813.1

NUMBER OF CONSTRUCTIONS 14 DELAYED 12 QUICK 2

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE ABSORPTANCE	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
MASS-WALL	0.159	0.70	3	DELAYED	14
SPANDREL-WALL	0.178	0.70	3	DELAYED	5
METAL-WALL	0.374	0.70	3	QUICK	0
EW-C-CON	0.110	0.70	3	DELAYED	7
MECH-RF-CON	0.046	0.70	3	DELAYED	15
TERR-RF-CON	0.044	0.70	3	DELAYED	16
FL-CON	0.294	0.70	3	DELAYED	7
FL-ADIAB-CON	0.294	0.70	3	DELAYED	7
CL-CON	0.805	0.70	3	DELAYED	4
CL-ADIAB-CON	0.805	0.70	3	DELAYED	4
IW-CON	0.355	0.70	3	DELAYED	4
IW-ADIAB-CON	0.355	0.70	3	DELAYED	4
UW-CON	0.565	0.70	3	DELAYED	13
LV-CON	2.700	0.70	3	QUICK	0

ABase: Design Case for NCP and NYEC com SIM: VIRIDIAN ENERGY & ENVIRONMENTAL, L

REPORT- SV-A SYSTEM DESIGN PARAMETERS CORR-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
CORR-SYS	PVAVS	1.000	29383.9	98.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
13000.	8.981	2.1	13000.	8.981	2.1	1.000	734.207	0.375	-851.661	0.24	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
4-CORR	277.	0.	0.000	1.000	277.	0.00	0.00	4.19	-12.88	-54.31	3.0
7-CORR	277.	0.	0.000	1.000	277.	0.00	0.00	4.19	-12.88	-54.31	26.0
33-CORR	4958.	0.	0.000	1.000	4958.	0.00	0.00	74.96	-230.23	-231.22	1.0

ABase: Design Case for NCP and NYEC com SIM: VIRIDIAN ENERGY & ENVIRONMENTAL, L

REPORT- SV-A SYSTEM DESIGN PARAMETERS RF-CORR-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
RF-CORR-SYS	PVAVS	1.000	25925.3	86.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
13000.	12.829	3.1	13000.	6.726	1.6	1.000	692.822	0.414	-838.186	0.25	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
34-CORR	630.	0.	0.000	1.000	630.	0.00	0.00	9.53	-29.27	-23.82	1.0
35-CORR	439.	0.	0.000	1.000	439.	0.00	0.00	6.64	-20.40	-16.60	1.0
36-CORR	326.	0.	0.000	1.000	326.	0.00	0.00	4.93	-15.16	-12.34	15.0

51-CORR	405.	0.	0.000	1.000	405.	0.00	0.00	6.13	-18.82	-15.32	4.0
55-CORR	634.	0.	0.000	1.000	634.	0.00	0.00	9.59	-29.47	-23.98	6.0
61-CORR	746.	0.	0.000	1.000	746.	0.00	0.00	11.28	-34.63	-28.19	1.0
62-CORR	573.	0.	0.000	1.000	573.	0.00	0.00	8.67	-26.62	-21.67	1.0
63-CORR	163.	0.	0.000	1.000	163.	0.00	0.00	2.47	-7.57	-6.17	1.0
64-CORR	125.	0.	0.000	1.000	125.	0.00	0.00	1.88	-5.79	-4.71	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS RES-S-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
RES-S-SYS	PTAC	1.000	212346.4	1062.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
220411.	0.000	0.9	0.	0.000	0.0	0.001	0.000	0.000	0.000	0.26	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
4-AP-0B-S	394.	0.	0.118	1.000	0.	11.53	0.64	8.42	-8.09	-8.51	3.0
4-AP-1B-S	2161.	0.	0.648	1.000	2.	62.87	0.64	46.19	-44.37	-46.68	3.0
7-AP-0B-S	398.	0.	0.120	1.000	0.	11.67	0.64	8.51	-8.18	-8.61	26.0
7-AP-1B-S	2185.	0.	0.656	1.000	2.	63.64	0.64	46.70	-44.86	-47.20	26.0
33-AP-0B-S	485.	0.	0.145	1.000	0.	14.15	0.64	10.36	-9.95	-10.47	1.0
33-AP-1B-S	2653.	0.	0.796	1.000	3.	77.07	0.64	56.70	-54.46	-57.31	1.0
34-AP-0B-S	602.	0.	0.181	1.000	1.	17.53	0.64	12.86	-12.35	-13.00	1.0
34-AP-1B-S	1690.	0.	0.507	1.000	2.	48.97	0.65	36.11	-34.69	-36.50	1.0
35-AP-1B-S	2105.	0.	0.631	1.000	2.	61.09	0.64	44.99	-43.21	-45.47	1.0
35-AP-0B-S	515.	0.	0.155	1.000	1.	15.01	0.64	11.01	-10.57	-11.12	1.0

36-AP-1B-S	2067.	0.	0.620	1.000	2.	60.07	0.64	44.17	-42.43	-44.64	15.0
36-AP-0B-S	526.	0.	0.158	1.000	1.	15.34	0.64	11.25	-10.80	-11.37	15.0
51-AP-1B-S	2451.	0.	0.735	1.000	2.	71.13	0.64	52.38	-50.31	-52.94	4.0
51-AP-0B-S	598.	0.	0.179	1.000	1.	17.42	0.64	12.78	-12.27	-12.92	4.0
55-AP-1B-S	2208.	0.	0.662	1.000	2.	64.08	0.64	47.18	-45.32	-47.69	6.0
55-AP-0B-S	814.	0.	0.244	1.000	1.	23.69	0.64	17.40	-16.71	-17.59	6.0
4-AP-1B-SE	836.	0.	0.251	1.000	1.	24.02	0.65	17.86	-17.16	-18.06	3.0
7-AP-1B-SE	853.	0.	0.256	1.000	1.	24.54	0.65	18.23	-17.51	-18.43	26.0
33-AP-1B-SE	1045.	0.	0.314	1.000	1.	29.98	0.65	22.34	-21.46	-22.58	1.0
34-AP-3B-SE	2012.	0.	0.603	1.000	2.	58.06	0.65	42.99	-41.29	-43.45	1.0
35-AP-1B-SE	922.	0.	0.277	1.000	1.	26.64	0.65	19.71	-18.93	-19.92	1.0
36-AP-1B-SE	902.	0.	0.270	1.000	1.	26.08	0.65	19.27	-18.51	-19.48	15.0

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51-AP-1B-SE	1094.	0.	0.328	1.000	1.	31.56	0.65	23.38	-22.46	-23.63	4.0
55-AP-3B-SE	2536.	0.	0.761	1.000	3.	73.37	0.65	54.20	-52.06	-54.78	6.0
61-AP-1B-S	2635.	0.	0.790	1.000	3.	76.22	0.65	56.31	-54.08	-56.91	1.0
61-AP-0B-S	967.	0.	0.290	1.000	1.	28.04	0.65	20.67	-19.85	-20.89	1.0
61-AP-3B-SE	2910.	0.	0.873	1.000	3.	84.04	0.65	62.20	-59.74	-62.86	1.0

1 DOE 2.1E Manhattan West Residential DOE-2.1E-121 Fri Feb 6 15:53:51 2015SDL RUN 1
ABase: Design Case for NCP and NYEC com SIM: VIRIDIAN ENERGY & ENVIRONMENTAL, L
REPORT- SV-A SYSTEM DESIGN PARAMETERS RES-W-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
RES-W-SYS	PTAC	1.000	108186.0	541.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
127036.	0.000	0.9	0.	0.000	0.0	0.001	0.000	0.000	0.000	0.23	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
7-AP-1B-W	601.	0.	0.180	1.000	1.	17.25	0.65	12.84	-13.67	-14.27	26.0
33-AP-1B-W	757.	0.	0.227	1.000	1.	21.66	0.65	16.19	-15.55	-16.36	1.0
34-AP-1B-W	944.	0.	0.283	1.000	1.	26.94	0.66	20.18	-19.39	-20.40	1.0
36-AP-0B-W	1076.	0.	0.323	1.000	1.	30.77	0.65	22.99	-22.08	-23.23	15.0
51-AP-1B-W	1103.	0.	0.331	1.000	1.	31.50	0.65	23.57	-22.64	-23.82	4.0
55-AP-1B-W	1492.	0.	0.448	1.000	1.	42.54	0.66	31.88	-30.62	-32.22	6.0
4-AP-2B-SW	1145.	0.	0.344	1.000	1.	32.57	0.66	24.48	-23.51	-24.74	3.0
7-AP-2B-SW	1115.	0.	0.335	1.000	1.	31.76	0.66	23.83	-22.89	-24.09	26.0
33-AP-2B-SW	1354.	0.	0.406	1.000	1.	38.52	0.66	28.94	-27.80	-29.25	1.0
34-AP-2B-SW	1526.	0.	0.458	1.000	2.	43.38	0.66	32.61	-31.32	-32.96	1.0
35-AP-2B-SW	1469.	0.	0.441	1.000	1.	41.74	0.66	31.40	-30.16	-31.74	1.0
36-AP-2B-SW	1343.	0.	0.403	1.000	1.	38.19	0.66	28.69	-27.56	-29.00	15.0
51-AP-2B-SW	1611.	0.	0.483	1.000	2.	45.77	0.66	34.42	-33.06	-34.79	4.0
55-AP-2B-SW	2106.	0.	0.632	1.000	2.	59.84	0.66	45.01	-43.24	-45.49	6.0
61-AP-1B-W	1711.	0.	0.513	1.000	2.	48.72	0.66	36.58	-35.13	-36.97	1.0
61-AP-2B-SW	2513.	0.	0.754	1.000	3.	71.24	0.66	53.71	-51.59	-54.28	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS RES-E-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
RES-E-SYS	PTAC	1.000	113370.6	567.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
151100.	0.000	0.9	0.	0.000	0.0	0.001	0.000	0.000	0.000	0.23	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
7-AP-0B-E	475.	0.	0.143	1.000	0.	13.78	0.64	10.16	-9.76	-10.27	26.0
33-AP-0B-E	568.	0.	0.171	1.000	1.	16.44	0.65	12.15	-11.67	-12.28	1.0
35-AP-0B-E	588.	0.	0.176	1.000	1.	17.00	0.65	12.57	-12.07	-12.70	1.0
36-AP-0B-E	598.	0.	0.179	1.000	1.	16.91	0.66	12.78	-12.28	-12.92	15.0
51-AP-0B-E	676.	0.	0.203	1.000	1.	19.11	0.66	14.45	-13.88	-14.61	4.0
55-AP-0B-E	916.	0.	0.275	1.000	1.	25.83	0.66	19.57	-18.80	-19.78	6.0
4-AP-1B-NE	867.	0.	0.260	1.000	1.	24.90	0.65	18.54	-17.81	-18.74	3.0
7-AP-1B-NE	1716.	0.	0.515	1.000	2.	49.17	0.65	36.68	-35.23	-37.07	26.0
33-AP-1B-NE	1857.	0.	0.557	1.000	2.	53.29	0.65	39.69	-38.13	-40.12	1.0
34-AP-1B-NE	1055.	0.	0.316	1.000	1.	30.30	0.65	22.54	-21.65	-22.79	1.0
35-AP-1B-NE	2097.	0.	0.629	1.000	2.	60.05	0.65	44.81	-43.04	-45.29	1.0
36-AP-1B-NE	2077.	0.	0.623	1.000	2.	59.54	0.65	44.39	-42.63	-44.86	15.0
51-AP-1B-NE	2373.	0.	0.712	1.000	2.	68.02	0.65	50.72	-48.72	-51.26	4.0
55-AP-2B-NE	2287.	0.	0.686	1.000	2.	65.96	0.65	48.88	-46.95	-49.41	6.0
55-AP-1B-NE	1436.	0.	0.431	1.000	1.	41.22	0.65	30.69	-29.48	-31.02	6.0
61-AP-1B-NE	1659.	0.	0.498	1.000	2.	47.55	0.65	35.46	-34.06	-35.84	1.0
61-AP-2B-NE	2499.	0.	0.750	1.000	2.	71.84	0.65	53.41	-51.30	-53.98	1.0
61-AP-0B-E	1040.	0.	0.312	1.000	1.	29.28	0.66	22.22	-21.34	-22.45	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS RES-N-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
RES-N-SYS	PTAC	1.000	147213.9	736.

SUPPLY	RETURN	OUTSIDE	COOLING	HEATING	COOLING	HEATING

FAN (CFM)	ELEC (KW)	DELTA-T (F)	FAN (CFM)	ELEC (KW)	DELTA-T (F)	AIR RATIO	CAPACITY (KBTU/HR)	SENSIBLE (SHR)	CAPACITY (KBTU/HR)	EIR (BTU/BTU)	EIR (BTU/BTU)
173845.	0.000	0.9	0.	0.000	0.0	0.001	0.000	0.000	0.000	0.23	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
4-AP-1B-N	633.	0.	0.190	1.000	1.	18.30	0.65	13.53	-13.00	-13.68	3.0
4-AP-0B-N	1167.	0.	0.350	1.000	1.	33.86	0.64	24.95	-23.96	-25.22	3.0
7-AP-1B-N	612.	0.	0.184	1.000	1.	17.80	0.64	13.07	-12.56	-13.21	26.0
7-AP-0B-N	1208.	0.	0.363	1.000	1.	35.06	0.64	25.83	-24.81	-26.10	26.0
33-AP-1B-N	730.	0.	0.219	1.000	1.	21.10	0.65	15.60	-14.98	-15.77	1.0
33-AP-0B-N	1428.	0.	0.429	1.000	1.	41.21	0.65	30.53	-29.32	-30.86	1.0
34-AP-0B-N	1168.	0.	0.350	1.000	1.	33.67	0.65	24.96	-23.98	-25.23	1.0
36-AP-0B-N	564.	0.	0.169	1.000	1.	16.30	0.65	12.05	-11.58	-12.18	15.0
36-AP-1B-N	855.	0.	0.257	1.000	1.	24.81	0.64	18.28	-17.56	-18.48	15.0
51-AP-0B-N	650.	0.	0.195	1.000	1.	18.77	0.65	13.89	-13.34	-14.04	4.0
51-AP-1B-N	978.	0.	0.293	1.000	1.	28.36	0.65	20.91	-20.08	-21.13	4.0
55-AP-0B-N	1592.	0.	0.478	1.000	2.	46.05	0.65	34.02	-32.67	-34.38	6.0
7-AP-2B-NW	1252.	0.	0.376	1.000	1.	35.54	0.66	26.76	-25.70	-27.05	26.0
33-AP-2B-NW	1383.	0.	0.415	1.000	1.	39.25	0.66	29.55	-28.39	-29.87	1.0
35-AP-2B-NW	1521.	0.	0.456	1.000	2.	43.10	0.66	32.51	-31.22	-32.86	1.0
36-AP-2B-NW	1364.	0.	0.409	1.000	1.	38.73	0.66	29.15	-28.00	-29.47	15.0
51-AP-2B-NW	1737.	0.	0.521	1.000	2.	49.23	0.66	37.13	-35.66	-37.53	4.0
55-AP-2B-NW	2209.	0.	0.663	1.000	2.	62.63	0.66	47.22	-45.35	-47.72	6.0
61-AP-0B-N	1795.	0.	0.539	1.000	2.	51.87	0.65	38.37	-36.85	-38.78	1.0
61-AP-2B-NW	2514.	0.	0.754	1.000	3.	71.20	0.66	53.74	-51.62	-54.31	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS AC-3-4 WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-3-4	PVAVS	1.000	11748.2	147.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
15000.	10.905	2.2	15000.	4.380	0.9	0.433	786.901	0.475	-424.681	0.24	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
2-GYM-S	6278.	0.	0.000	0.433	2718.	0.00	0.00	135.60	-146.79	-1102.75	1.0
2-GYM-N	8722.	0.	0.000	0.433	3777.	0.00	0.00	188.40	-203.94	-142.76	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS AC-4-2 WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-4-2	PVAVS	1.000	7333.7	92.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
11000.	7.168	2.0	11000.	3.521	1.0	0.191	460.987	0.559	-534.029	0.25	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
2-BASKETBALL	11000.	0.	0.000	0.530	2101.	0.00	0.00	237.60	-594.00	-415.80	1.0

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REPORT- SV-A SYSTEM DESIGN PARAMETERS AC-4-3-AMENITY-S WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-4-3-AMENITY-S	PVAVS	1.000	11262.9	149.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
10000.	6.190	1.9	10000.	3.316	1.0	0.170	449.924	0.493	-441.012	0.25	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
3-LOUNGE	4148.	0.	0.000	0.434	705.	0.00	0.00	89.59	-223.97	-1156.77	1.0
3-TOILET	1681.	0.	0.000	0.434	286.	0.00	0.00	36.32	-90.80	-63.56	1.0
3-CORR	547.	0.	0.000	0.434	93.	0.00	0.00	12.40	-29.53	-20.67	1.0
3-STORAGE	94.	0.	0.000	0.434	16.	0.00	0.00	3.56	-5.09	-3.56	1.0
3-OFC	1982.	0.	0.000	0.434	337.	0.00	0.00	42.82	-107.05	-1074.94	1.0
3-FITNESS	1548.	0.	0.000	0.434	263.	0.00	0.00	33.43	-36.27	-25.39	1.0
3-PLENUM	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.0

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-63-2	PVAVS	1.000	4670.6	117.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
14000.	12.830	2.8	12000.	3.557	0.9	0.214	519.926	0.593	-689.391	0.27	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
62-LOUNGE	8540.	0.	0.000	0.214	1827.	0.00	0.00	184.45	-461.13	-322.79	1.0
62-ELEV-LOBBY	646.	0.	0.000	0.214	138.	0.00	0.00	13.94	-34.86	-24.40	1.0
62-DINING	4476.	0.	0.000	0.214	958.	0.00	0.00	96.67	-241.69	-169.18	1.0

62-PANTRY	339.	0.	0.000	0.214	73.	0.00	0.00	7.33	-18.32	-12.82	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS LOBBY-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
LOBBY-SYS	PVAVS	1.000	1786.4	36.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
8000.	5.245	2.0	8000.	3.221	1.2	0.500	432.004	0.435	-262.543	0.25	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
1-LOBBY	8000.	0.	0.000	0.500	4000.	0.00	0.00	172.80	-216.00	-1151.20	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS RETAIL-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
RETAIL-SYS	PSZ	1.000	2807.9	56.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
2808.	2.425	2.7	0.	0.000	0.0	0.200	94.451	0.669	-151.524	0.26	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
1-RETAIL	2808.	0.	0.000	1.000	562.	0.00	0.00	60.65	-166.79	-60.65	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS BOH-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE

BOH-SYS PVAVS 1.000 21354.2 94.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
14000.	10.986	2.4	14000.	5.290	1.2	0.200	535.845	0.624	-670.413	0.26	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
C-ELEV-LOBBY	106.	0.	0.000	0.618	21.	0.00	0.00	2.30	-5.75	-4.02	1.0
C-BOH	675.	0.	0.000	0.618	135.	0.00	0.00	25.52	-36.45	-25.52	1.0
C-STORAGE	2937.	0.	0.000	0.618	587.	0.00	0.00	111.03	-158.61	-111.03	1.0
C-OFC	1097.	0.	0.000	0.618	219.	0.00	0.00	23.70	-59.25	-41.48	1.0
C-LOCKER	631.	0.	0.000	0.618	126.	0.00	0.00	13.63	-34.09	-23.86	1.0
C-CORR	1284.	0.	0.000	0.618	257.	0.00	0.00	29.12	-69.33	-48.53	1.0
1-MOVE-IN	324.	0.	0.000	0.618	65.	0.00	0.00	12.26	-17.52	-12.26	1.0
1-BOH	1813.	0.	0.000	0.618	363.	0.00	0.00	68.54	-97.91	-68.54	1.0
1-PACKAGE	430.	0.	0.000	0.618	86.	0.00	0.00	16.27	-23.24	-16.27	1.0
1-MAILRM	1723.	0.	0.000	0.618	345.	0.00	0.00	37.21	-93.03	-65.12	1.0
1-CORR	350.	0.	0.000	0.618	70.	0.00	0.00	7.94	-18.90	-13.23	1.0
1-OFF	1440.	0.	0.000	0.618	288.	0.00	0.00	31.10	-77.76	-54.43	1.0
2-CORR	152.	0.	0.000	0.618	30.	0.00	0.00	3.45	-8.22	-5.76	1.0
2-VEST	160.	0.	0.000	0.618	32.	0.00	0.00	6.06	-8.65	-6.06	1.0
2-AMENITY-S	828.	0.	0.000	0.618	166.	0.00	0.00	17.87	-27.62	-19.33	1.0
3-ELEV-LOBBY	48.	0.	0.000	0.618	10.	0.00	0.00	1.04	-1.61	-1.12	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS AC-B1-1-5 WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-B1-1-5	PVAVS	1.000	7179.0	7.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
22815.	14.867	2.0	3700.	1.524	1.3	0.001	400.867	1.415	-813.327	0.31	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
C-MECH	14585.	0.	0.000	1.000	15.	0.00	0.00	551.30	-787.57	-551.30	1.0
C-TELE	828.	0.	0.000	1.000	1.	0.00	0.00	31.31	-44.73	-31.31	1.0
C-ELEC	7402.	0.	0.000	1.000	7.	0.00	0.00	279.80	-399.71	-279.80	1.0

1 DOE 2.1E Manhattan West Residential DOE-2.1E-121 Fri Feb 6 15:53:51 2015SDL RUN 1
ABase: Design Case for NCP and NYEC com SIM: VIRIDIAN ENERGY & ENVIRONMENTAL, L
REPORT- SV-A SYSTEM DESIGN PARAMETERS AC-1-1 WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-1-1	PVAVS	1.000	273.0	2.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
2500.	1.667	2.1	0.	0.000	0.0	0.200	57.284	0.930	-122.804	0.30	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
1-SECURITY	2500.	0.	0.000	1.000	500.	0.00	0.00	54.00	-135.00	-109.70	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS AC-36-1-4 WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
AC-36-1-4	PVAVS	1.000	2182.1	2.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
5850.	3.333	1.8	0.	0.000	0.0	0.001	136.467	1.061	-210.145	0.36	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
35-ELEC	1000.	0.	0.000	1.000	1.	0.00	0.00	37.79	-53.98	-37.79	1.0
35-TANK	0.	0.	0.000	0.000	0.	0.00	0.00	0.00	0.00	0.00	1.0
35-EMR	4850.	0.	0.000	1.000	5.	0.00	0.00	183.34	-261.92	-183.34	1.0

REPORT- SV-A SYSTEM DESIGN PARAMETERS EMR-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
EMR-SYS	PVAVS	1.000	1249.6	1.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
5865.	2.421	1.3	0.	0.000	0.0	0.001	144.201	0.997	-213.774	0.26	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
64-EMR	3774.	0.	0.000	1.000	4.	0.00	0.00	142.66	-203.80	-142.66	1.0
65-EMR	2091.	0.	0.000	1.000	2.	0.00	0.00	79.06	-112.94	-79.06	1.0

ABase: Design Case for NCP and NYEC com SIM: VIRIDIAN ENERGY & ENVIRONMENTAL, L
REPORT- SV-A SYSTEM DESIGN PARAMETERS SALLY-SYS WEATHER FILE- NEW YORK CITY TMY2

SYSTEM NAME	SYSTEM TYPE	ALTITUDE MULTIPLIER	FLOOR AREA (SQFT)	MAX PEOPLE
SALLY-SYS	PVAVS	1.000	660.0	4.

SUPPLY FAN (CFM)	ELEC (KW)	DELTA-T (F)	RETURN FAN (CFM)	ELEC (KW)	DELTA-T (F)	OUTSIDE AIR RATIO	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	HEATING CAPACITY (KBTU/HR)	COOLING EIR (BTU/BTU)	HEATING EIR (BTU/BTU)
3051.	1.340	1.4	3051.	1.109	1.1	0.134	76.848	0.820	-138.330	0.29	0.37

ZONE NAME	SUPPLY FLOW (CFM)	EXHAUST FLOW (CFM)	FAN (KW)	MINIMUM FLOW RATIO	OUTSIDE AIR FLOW (CFM)	COOLING CAPACITY (KBTU/HR)	SENSIBLE (SHR)	EXTRACTION RATE (KBTU/HR)	HEATING CAPACITY (KBTU/HR)	ADDITION RATE (KBTU/HR)	MULTIPLIER
1-SALLYPORT	3051.	0.	0.000	1.000	409.	0.00	0.00	65.90	-164.75	-115.33	1.0

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-C EQUIPMENT PART LOAD OPERATION WEATHER FILE- NEW YORK CITY TMY2

EQUIPMENT	HOURS AT PERCENT PART LOAD RATIO											TOTAL HOURS	ANNUAL LOAD (MBTU)	FALSE LOAD (MBTU)	ELEC USED (KWH)	THERMAL USED (MBTU)
	0 -- 10	-- 20	-- 30	-- 40	-- 50	-- 60	-- 70	-- 80	-- 90	-- 100	- 110+					
HW-BOILER	1508	617	430	382	311	655	527	424	321	265	0	5440	18084.0	0.0	38429.	23048.2
	2555	988	857	599	308	85	30	15	3	0	0					
DHW-HEATER	2338	217	0	0	918	2001	1248	1037	548	360	93	8760	7690.6	0.0	18529.	7616.1
	2338	217	0	0	918	2001	1248	1037	548	360	93					

HOT LOOP CIRCULATION PUMP ELECTRICAL USE = 20547. KWH
COLD LOOP CIRCULATION PUMP ELECTRICAL USE = 0. KWH
CONDENSER WATER PUMP ELECTRICAL USE = 0. KWH
TOWER OR CONDENSER FAN ELECTRICAL USE = 0. KWH

NOTES TO TABLE
1) THE FIRST PART LOAD ENTRY FOR EACH PIECE OF EQUIPMENT IS THE HOURLY LOAD DIVIDED BY THE HOURLY OPERATING CAPACITY

2) THE SECOND PART LOAD ENTRY FOR EACH PIECE OF EQUIPMENT IS THE HOURLY LOAD DIVIDED BY THE TOTAL INSTALLED CAPACITY

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-D PLANT LOADS SATISFIED WEATHER FILE- NEW YORK CITY TMY2

HEATING LOADS	MBTU SUPPLIED	PCT OF TOTAL LOAD
HW-BOILER	18084.0	70.2
DHW-HEATER	7690.6	29.8
LOAD SATISFIED	25774.6	100.0
TOTAL LOAD ON PLANT	25774.9	

ELECTRICAL LOADS	KWH SUPPLIED	PCT OF TOTAL LOAD
ELECTRICITY	5548122.5	100.0
LOAD SATISFIED	5548122.5	100.0
TOTAL LOAD ON PLANT	5548123.5	

SUMMARY OF LOADS MET

TYPE OF LOAD	TOTAL LOAD (MBTU)	LOAD SATISFIED (MBTU)	TOTAL OVERLOAD (MBTU)	PEAK OVERLOAD (MBTU)	HOURS OVERLOADED
HEATING LOADS	25774.9	25774.6	0.000	0.000	0
ELECTRICAL LOADS	18935.6	18935.6	0.000	0.000	0

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-E MONTHLY ENERGY END-USE SUMMARY WEATHER FILE- NEW YORK CITY TMY2

0ELECTRICAL END-USES IN KWH

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0 AREA LIGHTS	82614.	74640.	82680.	80007.	82614.	80007.	82636.	82658.	79985.	82614.	79963.	82636.	973054.
MAX KW	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5	155.5
DAY/HR	4/19	1/19	1/19	1/19	3/19	1/19	1/19	2/19	1/19	1/19	1/19	1/19	
0MISC EQUIPMT	176904.	159789.	176925.	171216.	176904.	171216.	176910.	176920.	171206.	176904.	171197.	176905.	2082998.
MAX KW	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5
DAY/HR	4/18	1/18	1/18	1/18	3/18	1/18	1/18	2/18	1/18	1/18	1/18	1/18	
0 SPACE HEAT	12619.	9086.	7678.	4354.	676.	0.	0.	0.	0.	1993.	5765.	9584.	51755.
MAX KW	54.1	44.4	29.0	23.5	23.4	0.0	0.0	0.0	0.0	20.3	27.6	39.0	54.1
DAY/HR	23/ 5	4/ 7	23/ 7	1/ 7	7/ 7	0/ 0	0/ 0	0/ 0	0/ 0	30/ 6	16/ 7	24/21	
0 SPACE COOL	8270.	7052.	7504.	10112.	41062.	103922.	174047.	137760.	84873.	14262.	3118.	7212.	599195.
MAX KW	31.9	30.2	62.1	251.1	689.8	848.2	1036.3	729.7	792.6	257.1	30.4	31.7	1036.3
DAY/HR	4/ 7	21/ 6	25/15	30/17	10/16	16/17	1/17	27/17	6/ 9	9/16	20/ 6	29/ 7	
0PUMPS & MISC	3337.	2977.	3226.	2988.	1375.	0.	0.	0.	5.	2867.	3048.	3258.	23081.
MAX KW	7.0	7.0	5.5	4.5	4.5	0.0	0.0	0.0	0.8	4.5	5.2	6.2	7.0
DAY/HR	22/21	4/ 9	6/ 9	13/21	6/20	0/ 0	0/ 0	0/ 0	20/ 2	1/21	15/21	24/21	
0 VENT FANS	212599.	191493.	137221.	120493.	86879.	95784.	121668.	108736.	83353.	102573.	120292.	211159.	1592250.
MAX KW	305.3	305.1	305.0	299.1	297.0	280.9	281.6	280.8	280.8	279.8	294.7	300.5	305.3
DAY/HR	23/11	4/ 7	12/ 7	2/ 7	10/16	16/17	16/17	25/19	3/19	30/ 9	30/ 7	25/ 7	
0DOMHOT WATER	1574.	1421.	1574.	1523.	1574.	1523.	1574.	1574.	1523.	1574.	1523.	1574.	18528.
MAX KW	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
DAY/HR	1/ 1	1/ 1	1/ 1	1/ 1	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 1	1/ 1	
0 EXT LIGHTS	270.	224.	243.	235.	226.	197.	216.	238.	235.	243.	251.	282.	2859.
MAX KW	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
DAY/HR	1/ 1	1/ 1	1/ 1	1/ 1	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 2	1/ 1	1/ 1	
0 EXT MISC	17360.	15680.	17360.	16800.	17360.	16800.	17360.	17360.	16800.	17360.	16800.	17360.	204400.
MAX KW	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
DAY/HR	1/18	1/18	1/18	1/18	1/18	1/18	1/18	1/18	1/18	1/18	1/18	1/18	
0 TOTAL KWH	515547.	462363.	434410.	407729.	408670.	469449.	574410.	525245.	437981.	400390.	401956.	509970.	5548120.

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-E MONTHLY ENERGY END-USE SUMMARY WEATHER FILE- NEW YORK CITY TMY2
(CONTINUED)

0FUEL END-USES IN MBTU

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0 SOURCE USES	72.8	65.8	72.8	70.5	72.8	70.5	72.8	72.8	70.5	72.8	70.5	72.8	857.3
MAX MBTU	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202	0.202
DAY/HR	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	1/ 9	
0 SPACE HEAT	6127.4	4395.4	3658.1	1952.7	271.6	0.0	0.0	0.0	0.0	833.3	2569.4	4693.5	24501.4
MAX MBTU	23.133	23.181	17.742	13.778	12.577	0.000	0.000	0.000	0.000	11.964	16.804	19.976	23.181
DAY/HR	22/21	4/ 9	6/ 9	2/ 9	7/ 7	0/ 0	0/ 0	0/ 0	0/ 0	30/ 9	15/21	24/21	
0DOMHOT WATER	717.8	675.3	750.1	712.1	679.3	603.5	575.9	545.9	525.8	567.7	594.4	668.0	7616.0
MAX MBTU	1.779	1.854	1.860	1.824	1.681	1.540	1.420	1.345	1.338	1.400	1.517	1.653	1.860
DAY/HR	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	1/ 8	
0 TOTAL MBTU	6918.0	5136.4	4481.0	2735.3	1023.7	674.0	648.7	618.7	596.3	1473.9	3234.3	5434.3	32974.7

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-F ENERGY-RESOURCE PEAK BREAKDOWN BY END-USE WEATHER FILE- NEW YORK CITY TMY2

0ENERGY-RESOURCE: ELECTRICITY
UNITS: KWH

0	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0 PEAK DEMAND:	998.3	989.9	957.0	1124.9	1568.4	1722.0	1910.6	1603.1	1683.8	1054.0	929.7	970.7
DAY/HR:	23/ 9	4/ 9	2/ 9	30/17	10/16	16/17	1/17	27/17	6/ 9	28/17	16/ 9	3/ 9
0BREAKDOWN												
0 AREA LIGHTS:	141.11	142.93	142.93	125.36	125.36	125.36	125.36	125.36	141.11	125.36	142.93	142.93
(%):	14.13	14.44	14.94	11.14	7.99	7.28	6.56	7.82	8.38	11.89	15.37	14.72
0MISC EQUIPMT:	439.49	439.49	439.49	433.50	432.50	433.50	433.50	433.50	439.49	433.50	439.49	439.49
(%):	44.02	44.40	45.93	38.54	27.58	25.17	22.69	27.04	26.10	41.13	47.27	45.28
0 SOURCE USES:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0 SPACE HEAT:	48.76	42.70	24.91	0.66	0.48	0.00	0.00	0.00	0.00	0.85	25.26	29.00
(%):	4.88	4.31	2.60	0.06	0.03	0.00	0.00	0.00	0.00	0.08	2.72	2.99
0 SPACE COOL:	23.82	19.33	10.26	251.06	689.79	848.22	1036.27	729.71	792.56	180.22	1.78	20.51
(%):	2.39	1.95	1.07	22.32	43.98	49.26	54.24	45.52	47.07	17.10	0.19	2.11
0PUMPS & MISC:	6.91	7.01	4.46	3.76	3.76	0.00	0.00	0.00	0.00	3.76	4.62	4.82
(%):	0.69	0.71	0.47	0.33	0.24	0.00	0.00	0.00	0.00	0.36	0.50	0.50
0 VENT FANS:	304.76	304.94	301.42	276.52	297.00	280.87	281.48	280.53	277.17	276.23	282.17	300.43
(%):	30.53	30.81	31.50	24.58	18.94	16.31	14.73	17.50	16.46	26.21	30.35	30.95
0DOMHOT WATER:	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
(%):	0.21	0.21	0.22	0.19	0.13	0.12	0.11	0.13	0.13	0.20	0.23	0.22
0 EXT LIGHTS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0 EXT MISC:	31.36	31.36	31.36	31.92	17.36	31.92	31.92	31.92	31.36	31.92	31.36	31.36
(%):	3.14	3.17	3.28	2.84	1.11	1.85	1.67	1.99	1.86	3.03	3.37	3.23

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-F ENERGY-RESOURCE PEAK BREAKDOWN BY END-USE WEATHER FILE- NEW YORK CITY TMY2
(CONTINUED)

0ENERGY-RESOURCE: NATURAL-GAS
UNITS: THERM

0	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
0 PEAK DEMAND:	245.2	248.3	194.0	154.1	137.4	17.4	16.2	15.5	15.4	132.7	178.5	211.2
DAY/HR:	23/ 9	4/ 9	6/ 9	2/ 9	7/ 9	1/18	1/18	1/18	1/18	30/ 9	15/21	24/21
0BREAKDOWN												
0 AREA LIGHTS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0MISC EQUIPMT:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0 SOURCE USES:	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	0.20	0.20
(%):	0.83	0.82	1.04	1.31	1.47	11.62	12.48	13.09	13.14	1.53	0.11	0.10
0 SPACE HEAT:	229.22	231.81	177.42	137.78	122.19	0.00	0.00	0.00	0.00	119.64	168.04	199.76
(%):	93.50	93.35	91.46	89.42	88.94	0.00	0.00	0.00	0.00	90.19	94.11	94.60
0 SPACE COOL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0PUMPS & MISC:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0 VENT FANS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0DOMHOT WATER:	13.92	14.50	14.55	14.27	13.17	15.40	14.20	13.45	13.38	11.00	10.31	11.21
(%):	5.68	5.84	7.50	9.26	9.58	88.38	87.52	86.91	86.86	8.29	5.77	5.31
0 EXT LIGHTS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0 EXT MISC:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(%):	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- PS-H EQUIPMENT USE STATISTICS WEATHER FILE- NEW YORK CITY TMY2

E Q U I P M E N T	AVG OPER RATIO	MAX LOAD (MBTU)	MON DAY HR	SIZE (MBTU)	OPER HRS	SIZE (MBTU)	OPER HRS	SIZE (MBTU)	OPER HRS	SIZE (MBTU)	OPER HRS	SIZE (MBTU)	OPER HRS
HW-BOILER	0.414	17.558	2 4 9	6.973	6263								
DHW-HEATER	0.487	1.805	3 31 19	1.805	8760								

ENERGY TYPE: / UNITS: MBTU / CATEGORY OF USE	ELECTRICITY	NATURAL-GAS
AREA LIGHTS	3321.1	0.0
MISC EQUIPMT	7109.3	0.0
SOURCE USES	0.0	857.3
SPACE HEAT	176.6	24501.4
SPACE COOL	2045.0	0.0
PUMPS & MISC	78.8	0.0
VENT FANS	5434.3	0.0
DOMHOT WATER	63.2	7616.1
EXT LIGHTS	9.8	0.0
EXT MISC	697.6	0.0
TOTAL	18935.7	32974.8

TOTAL SITE ENERGY 51910.56 MBTU 68.3 KBTU/SQFT-YR GROSS-AREA 68.3 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY 89787.71 MBTU 118.1 KBTU/SQFT-YR GROSS-AREA 118.1 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.8
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- BEPU BUILDING ENERGY PERFORMANCE SUMMARY (UTILITY UNITS) WEATHER FILE- NEW YORK CITY TMY2

ENERGY TYPE:	ELECTRICITY	NATURAL-GAS
SITE UNITS:	KWH	THERM
CATEGORY OF USE		
AREA LIGHTS	973089.	0.
MISC EQUIPMT	2083012.	0.
SOURCE USES	0.	8573.
SPACE HEAT	51754.	245014.
SPACE COOL	599194.	0.
PUMPS & MISC	23080.	0.
VENT FANS	1592244.	0.
DOMHOT WATER	18529.	76161.
EXT LIGHTS	2859.	0.
EXT MISC	204406.	0.
TOTAL	5548168.	329748.

TOTAL ELECTRICITY	5548168. KWH	7.299 KWH	/SQFT-YR GROSS-AREA	7.299 KWH	/SQFT-YR NET-AREA
TOTAL NATURAL-GAS	329748. THERM	0.434 THERM	/SQFT-YR GROSS-AREA	0.434 THERM	/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.8
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

ABase: Design Case for NCP and NYEC com SIM: VIDARIS INC.
REPORT- ES-D ENERGY COST SUMMARY

UTILITY-RATE	RESOURCE	METERS	METERED ENERGY UNITS/YR	TOTAL CHARGE ($)	VIRTUAL RATE ($/UNIT)	RATE USED ALL YEAR?
0SC8-ELEC-TARIFF	ELECTRICITY	1 2 3 4 5	5548120. KWH	1302812.	0.2348	YES
0SC3-GAS-TARIFF	NATURAL-GAS	1 2 3 4	329747. THERM	371864.	1.1277	YES
0				==========		
0				1674676.		

ENERGY COST/GROSS BLDG AREA: 2.20
ENERGY COST/NET BLDG AREA: 2.20